



HB 1021

Information Technology Department

**Presentation to the
House Appropriations Committee
Government Operations Division**

**Mike Ressler
CIO**

**January 28, 2015
Medora Room**



Agenda

- ☐ **FirstNet**
- ☐ **EduTech - PowerSchool Application**
- ☐ **Center for Distance Education (CDE)**
- ☐ **State Longitudinal Data System (SLDS)**



First Responder Network Authority

Duane Schell
Network Services Director



North Dakota
Information Technology Department



VISION

To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety





- Born out of the 9/11 Commission Report
- Part of the Middle Class Tax Relief and Job Creation Act
 - Enacted February 22, 2012
- Established the First Responder Network Authority (FirstNet)





- Nationwide wireless data network for public safety (Think “4G”)
- Provides additional features commercial networks don’t
 - Dedicated spectrum
 - Priority + Pre-emption
 - Increased reliability





What will FirstNet do for you?



Communication

- **Video: 1-to-many**
- **Messaging**
- **Images**
- **Group Text**
- **Voice: Non-Mission Critical**

Applications

- **Your applications (Private, Selective sharing)**
- **FirstNet Applications**
- **Syndicated Applications**



Services

- **Data Storage**
- **Recordkeeping**
- **Search**
- **Databases (CJIS, etc.)**

Capabilities

- **NOC Status**
- **Activation**
- **Product Ordering**
- **Dynamic Priority Access**





- State & Local Implementation Grant Program – SLIGP
 - Education & outreach
 - Governance & needs assessment
 - Carrier network assessment
 - Technology utilization survey
 - Asset identification
- ND awarded \$1.1M
 - Partnership ITD, DES, SIEC





- FirstNet will be an additional “carrier” that public safety entities could choose to use
 - Business model + pricing is yet to be determined
- Next Steps
 - Continuation of planning activities
 - Submission of results to FirstNet
 - FirstNet will develop and provide a plan to ND
 - ND will have a choice





Rob Kaspari
EduTech Director



PowerSchool History

Student Information System

- Piloted in 2001 by Bismarck Public Schools
- Rolled out to interested schools for 8 years
- Required in legislation in 2009 (HB 1400)
- All Public Schools online in January 2013



PowerSchool Roles

- ITD provides licensing and hosting
- EduTech provides implementation, training & support
 - EduTech also provides some services to support E-transcript & SLDS
- Funding is a line item in DPI (SB 2013)



PowerSchool Features

- Daily- attendance, announcements, assignments, grades, meal tracking and parent access
- Reports- transcripts, discipline logs, class population, demographics, GPAs, assessment reports and state and federal reports



PowerSchool Benefits

- Cost effective
- Common processes & reporting
- Common training & support materials
 - Face to face training
 - Online support documents, templates & videos
 - Support (phone, email & chat)
- Ease of data transition to STARS & SLDS



PowerSchool Data Fields

Demographics		Special Programs	PowerSchool Generated
First Name	Guardian 1 First & Last Name	Special Ed Serving Unit	Guardian & Student Web ID
Last Name	Guardian 1 Work Phone	Alternative Ed	Guardian & Student Password
Middle Name or Initial	Guardian 1 Employer	Immigrant	Historical Grades
DOB	Guardian 1 Home Phone	Migrant	All Course Enrollments
Gender	Guardian 2 first & Last Name	Refugee	All School Enrollments
Ethnicity	Guardian 2 Work Phone	Homeless	Class Rank
Race	Guardian 2 Employer	Section 504	Cum GPA
District of Residence	Guardian 2 Home Phone	21st Century	Discipline Alert
Lunch Status	Guardian 1 Email	Targeted Title I	Log Entries
Direct Cert	Guardian 2 Email	BIA	Attendance
Street	Guardian Alert	Student With Child	
City		Displaced Homemaker	Testing Info
State		Received GED	ACT Scores
Zip		Date Approved to Graduate	
Phone Number		EII Information	
Transfer From State			
Transfer From City		Schools May Collect	
Transfer From School		Emergency/Medical Contact	
Student Email		Doctor	
Mother's Name		Dentist	
Mother's Day Phone		Allergies	
Father's Name		Medical Alert	
Father's Day Phone		Immunizations	
		Parent Military Info	
		Opt-out Info	




North Dakota
Information Technology Department

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A large, dark gray arrow pointing to the right, with a light blue outline. The arrow is positioned in the lower half of the slide, below the contact information. It has a 3D effect with a light blue shadow on the left and bottom edges.

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ndCDE North Dakota
CENTER FOR DISTANCE EDUCATION

Dr. Alan Peterson
ND Center for Distance Education
Director

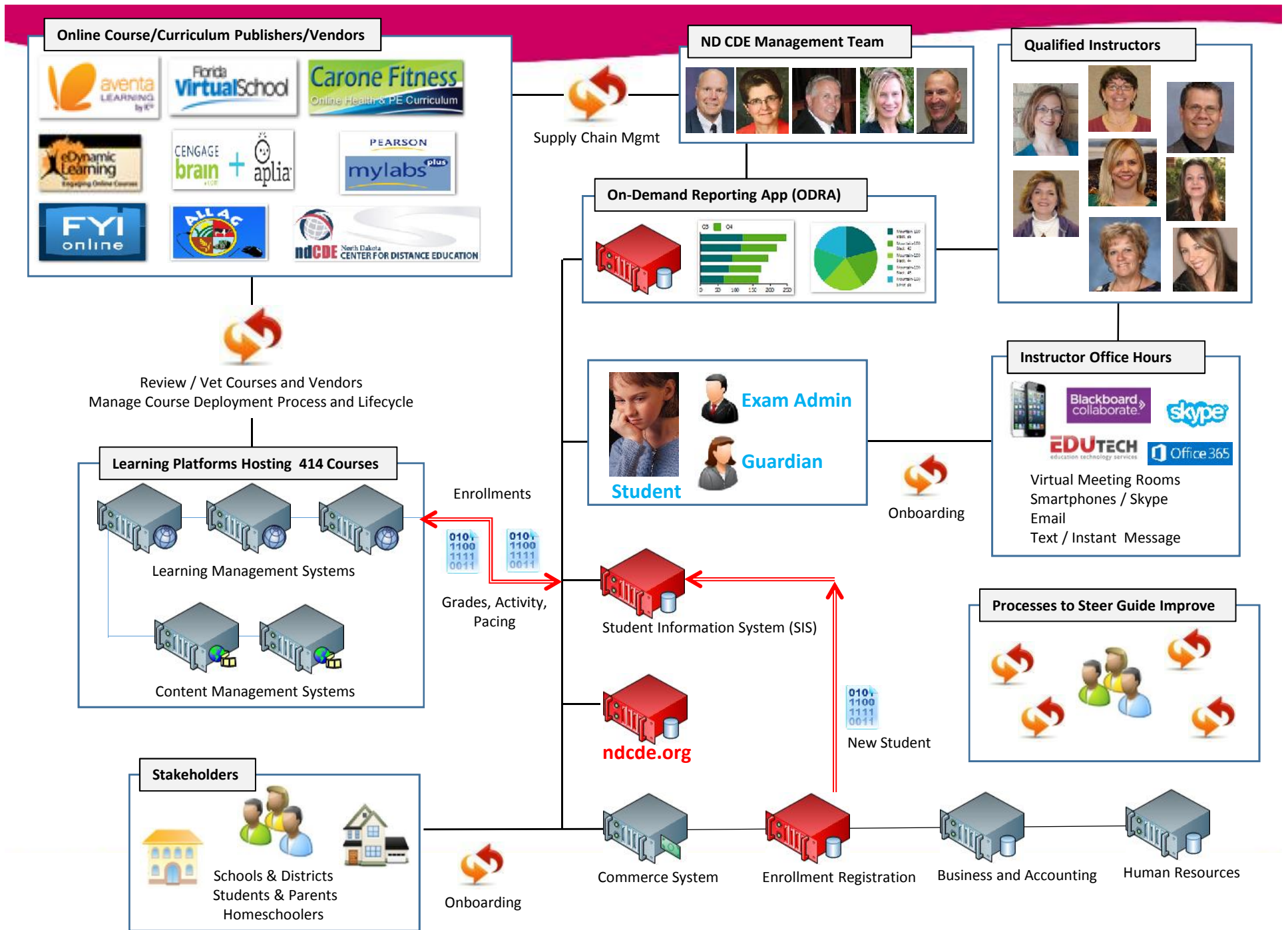


ND Century Code requires NDCDE to

- 1) Serve students regardless of their locations,
- 2) Focus on student learning,
- 3) Provide quality curriculum,
- 4) Assure adequate contact time between teacher and student,
- 5) Apply suitable educational technology,
- 6) Monitor the adequacy and quality of course delivery.

Circumstances that lead to enrolling at NDCDE

- Local school does not offer the course(s) – advanced, technical and elective
- Course schedule is conflicted (NDCDE delivers ***asynchronously***)
- Highly qualified teacher is not available at the school
- Teacher is not qualified to teach a specific course
- Medical condition forces at home schooling
- Credit recovery and remediation are needed
- Teacher takes a leave of absence
- Bullying has occurred
- Supplementation / enhancements are needed to school's curriculum
- Home school or group home school is necessary





Facts related to Curriculum, Instruction and Expertise

Curriculum

- 412 Middle and High School Courses (all approved by DPI & AdvancED)
- Hand outs of courses are available to you
- www.ndcde.org – Courses

Instruction

- Teachers = 11.8 FTE, 5 Full-Time Temporary, 22 Part-Time Temporary
 - ✓ Student Load – FTE and FTT = 120 students per semester (300 per year)
PTT = from 5-60 students per semester (pay per student)
 - ✓ Instructional Load – Courses highly qualified = average is 10 preps (7-18)
- Technical, Teacher, and Curriculum Support = 3.5 FTE, 1.0 FTT
- Counseling, Administration, Supervision and Training = 4.0 FTE

Expertise

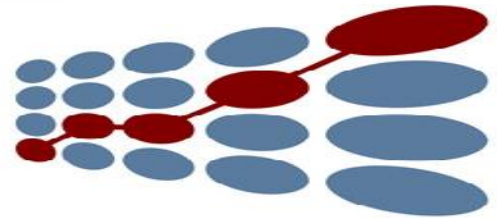
- Office, Store and Business Operations = 4.5 FTE
- Communications, System, Computer Support = 2.0 FTE, 1.0 FTT

ND Student Enrollments – 2013/15 = 9,000 (7,000), 2015/17 = 12,000

*NDCDE is equivalent to 500 FTE students grades 7-12
equal to Valley City Public School grades 7-12*



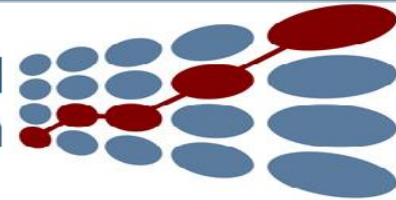
Statewide Longitudinal Data System



Tracy Korsmo



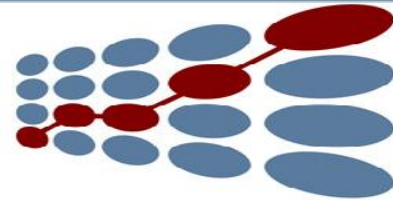
Statewide Longitudinal Data System



Salaries / Benefits (7 FTE)	\$ 1,580,487
Operations / Hosting / Software	\$ 1,405,728
Contract Development	\$ 2,547,186
One-Time Projects	<u>\$ 4,500,000</u>
Total 2015-17 Budget Request	\$10,033,401



Statewide Longitudinal Data System



One-Time Funding \$4,500,000

For enhancing the K-12, Workforce, and Higher Education data warehouses:

- ☐ Reauthorization of Workforce Investment Act - measure service programs
- ☐ Teacher & school dashboards which allow interaction to measure interventions
- ☐ Adult Ed, CTE data sets
- ☐ Job Service research and reports on supply and demand of workforce
- ☐ Private workforce development & training data (tribal colleges WFD grants)
- ☐ NDUS warehouse
- ☐ BI Tool reporting system
- ☐ Education Portal Expansions
 - ND Scholarship
 - ND College application integration
 - eTranscript expansions / interface to NDUS imaging system
- ☐ Security and Predictive Analytics / Visualization



THANK YOU!!!